



Progressive Education Society's
Modern College of Arts, Science & Commerce Ganeshkhind, Pune 16
End Semester Examination: Nov/Dec. 2023
Faculty: Science and Technology

Program: BScGen03**Semester: I****SET: B****Program (Specific): Zoology****Course Type: CC****Class: S.Y.B. Sc****Max. Marks: 35****Name of the Course: Industrial Zoology-I****Course Code: 23-ZO-232****Time: 2Hrs****Paper: II****Instructions to the candidate:**

- 1) *There are 4 sections in the question paper. Write each section on separate page.*
- 2) *All Sections are compulsory.*
- 3) *Figures to the right indicate full marks.*
- 4) *Draw a well labelled diagram wherever necessary.*

SECTION: A**Q.1 Define or Explain****5**

- a) Give the Scientific name of Brinjal fruit borer.
- b) Define Stifling of Cocoons.
- c) Explain Rearing Board.
- d) Name the gland present in female silk moth.
- e) Name leaf eating pest in Agriculture.

Q.2 Attempt any four of the following**4**

- i. Give scientific name of Jowar stem borer.
- ii. Define pesticide.
- iii. Explain Hibernating eggs in Sericulture
- iv. Describe pupa of silk moth.
- v. Name any one plant protection appliance used in agriculture.
- vi. Explain Univoltine species.

SECTION: B**Q.3 Write note on any four of the following****8**

- a) Comment upon the application of fertilizer in sericulture.
- b) Explain Spacing in silkworm rearing techniques.
- c) Describe the Physical control method.
- d) Comment upon the role of Snail as a non-insect pest.
- e) Explain the Climate and Soil suitable for cultivation of mulberry.

SECTION: C**Q.4 Attempt any four of the following****8**

- i. State the biomedical applications of Silk.
- ii. Describe the bacterial disease of silkworm.
- iii. Explain Rain fed method of mulberry cultivation.
- iv. Write a note on the working and use of Knapsack sprayer.
- v. Describe veterinary pests.
- vi. State the hazards caused due to pesticides in agriculture.

SECTION: D**Q.5 Attempt any two of the following.****10**

- I. Describe the Life cycle of *Bombyx mori* with a suitable diagram.
- II. Explain the Scope of Sericulture in India.
- III. Describe in detail the Mechanical Control method.
- IV. State the marks of identification, nature of damage and control measures of Rice Weevil.